## CLAIMS

I claim:

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A receiver adapted to receive data contained in a transmitted broadcast signal comprising:

a tuner for extracting data from a broadcast signal;

a memory coupled to the tuner for storing the extracted data as a database;

a user interface for providing a set of menus describing the database, and for accepting selections from the set of menus;

a controller coupled to the database for selecting data from the database in response to the accepted selections and providing the selected data in a digital form; and

a speech producing sub-system for converting the selected data from the digital form to an analog signal representing an original audio signal.

- The device of Claim 1, wherein the tuner extracts h data from an FM broadcast radio station carrier.
- The device/of Claim 1, wherein the tuner extracts h data from a television broadcast station carrier.
  - The devi/ce of Claim 3, wherein the tuner extracts h data from a vertical blanking interval of the broadcast television station careler.
- The Aevice of Claim 3, wherein the tuner extracts b 25 data from a/ Separate Audio Programming channel of the television station carrier.
  - The device of Claim 1, wherein the memory stores the entire dat/abase.

- 7. The device of Claim 1, wherein the memory comprises a combination of a volatile RAM memory and a non-volatile memory.
- 8. The device of Claim 7, wherein the non-volatile 5 memory is selected from the group consisting of a audio tape, a magneto-optical mini-disk, a magnetic disk or an optical disk,
- 9. The device of Claim 1, wherein the received data is audio data that has been converted from analog form to digital 10 form.
  - 10. The device of Claim 9 wherein the received digitized audio data is digitized and has been compressed.
  - 11. The device of claim 9, wherein the digitized audio data has been encrypted.
- 15 12. The device of Claim 1, wherein the received data is alphanumeric data that has been converted from analog form to digital form.
  - 13. The device of claim 12, wherein the alphanumeric data is converted to voice data by a speech synthesizer.
- 20 14. The device of Claim 1, wherein the extracted data is in digital form, has been encrypted and compressed, and further comprising a decryptor for providing conditional access and decrypting the extracted data.
- 15. The device of Claim 14 wherein said system has a 25 decompression algorithm to decompress data that has been compressed at a transmitter.

16. The device of Claim 14 wherein the decryptor is enabled by a key received by the tuner.

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- 15. The device of Claim 14, wherein the decryptor is enabled by a key device operatively connected to the decryptor.
- 17. The device of Claim 1, wherein the user interface is voice activated.
- 18. The device of Claim 1, wherein the user interface includes:
- a manual input device adapted to be mountable on an automobile steering wheel; and
  - a link from the manual input device to the controller.
- 19. The device of Claim 1, wherein the user interface includes a control for determining a speed at which the speech 15 output device outputs the analog signal.
  - 20. The device of Claim 1, wherein the tuner includes means for channel skip tuning to a particular transmitter.
- 21. The device of Claim 1, further comprising:

  an amplifier connected to the speech producing

  device for amplifying the analog signal; and

  means for converting the amplified signal to sound.
  - 22. The device of Claim 1, further comprising means for connecting the receiving system to an automobile radio set.
- 23. The device of Claim 1, further comprising means for 25 designating by the broadcaster a hierarchy for the database.

- 24. The device of claim 1, wherein a power saving technique comprises storing said digital data received in a RAM memory up to the capacity of the RAM before transferring said digital data to a storage means from the group consisting of 5 disk medium or tape medium.
  - 25. The device of claim 24, wherein said tape medium is a digital audio tape.
  - 26. The device of claim 24, wherein said disk medium is a magnetic disk.
- 10 27. The device of claim 24, wherein said disk medium is a magnetic-optical disk.
  - 28. The device of claim 24 wherein said disk medium is an optical disk.
- 29. The device of claim 1, wherein a speed of transmission 15 of said data can be varied to most efficiently use the available bandwidth.
  - 30. A method for information dissemination using various modes of transmission for transmitting alphanumeric or audio data comprising the steps of:

converting said audio data to digital audio data; converting said alphanumeric data to digital alphanumeric data;

establishing a data base of digitized data with menus for selection of particular segments of said data base;

compressing said digital audio data; encrypting said compressed digital data; encrypting said digitized alphanumeric data;

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selecting between digital alphanumeric data

compressed audio data; transmitting said selected data; extracting the data from the transmitted/signal; 5 providing a memory; storing the extracted data in the memory as database; providing a set of menus describing the database; selecting items from the set of menus; providing portions of the stored data in response b 10 the selected items from said menus; decrypting said encrypted data; selecting digitized alphanumerid data or compressed data; decompressing said compressed Aigital data; 15 converting the provided portions from the digital form to an first analog signal representing audio signals; converting alphanumeric digitized data to second analog signal representing spoken words; and outputting said first nand /second analog signals for 20 human hearing. A receiver comprising: from a transmitted for extracting/ data signal; means for storing the extracted data as a database; 25 means for providing/a set of menus describing the database, and for accepting selections from the set of menus; means for selecting data from the database in response to the accepted selections;

means for providing the selected data in encrypted,

means for dectypting the selected data;

means for decompressing the decrypted data;

compressed and digital form;

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means for converting the digital data to analog audio data; and

means for outputing audio originally transmitted for human hearing.

- 32. A system for information dissemination using various modes of transmission to transmit audio/data comprising:
  - a data producing sub-system for converting analog audio information to digital data and a database with menus;
- a data compressor for compressing the encrypted audio data; and

an encryptor for encrypting the digital audio data;

- a means for inserting the compressed encrypted digital audio data into a transmission channel;
- a tuner means for receiving the transmitted compressed encrypted digital audio data;
- a memory means for storing the selected data in the database;
- a means for providing a set of menus to a user describing the database, and a means for updating the data in the database;
- a controller means for selecting data from the database in response to the accepted selections and providing the selected data in the encrypted compressed digital form; and
- a decrypting means for decrypting the encrypted compressed digital audio data;
- a decompressing means for decompressing the compressed digital audio data; and
- a means for converting the digital audio data to analog audio data representing the audio originally transmitted.

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